

## Product Datasheet

SlickLight-C-4.6 mm-316L-1x0.75-14.5kN-200

### Application



Retrievable downhole cable



Well logging



Slickline operation



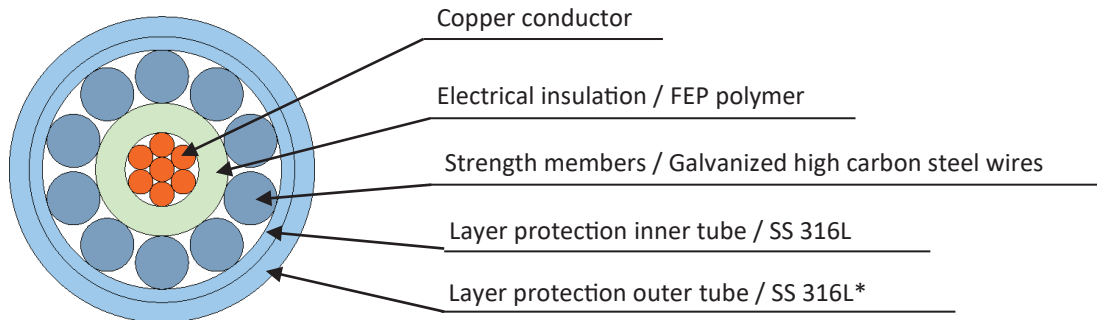
Signal transmission from downhole tools

### Features

Compact size & low weight

Corrosion-resistant

### Design



\*Also available in 316/825 incoloy as outer encapsulation

### Design details

Copper conductors (number of wires x diameter)	AWG 18 (7x 0.0145")	0.75 mm <sup>2</sup> (7x 0.37 mm)
Insulation thickness	0.016"	0.4 mm
Strength members (number x diameter)	10x 0.031"	10x 0.8 mm
Protection tube outer diameter	0.181"	4.6 mm
Protection tube total wall thickness	0.020"	0.5 mm
Cable weight	69 lb/ft	103 kg/km

### Operating parameters

Operating temperature	-76 F...+390 F	-60 C...+200 C
Rated tensile strength	3 300 LBF	14.5 kN
Maximum operating tension	1 990 LBF	8.8 kN
Rated collapse pressure for protection tube	11 300 psi	780 bar
Minimum bending radius without tensile load	3.6"	90 mm
Minimum sheave diameter for maximum operating tension	24.4"	620 mm

### Electrical parameters

Rated voltage	1 000 VDC	
Electrical resistance of copper conductors	7.6 Ohm/kft	24.9 Ohm/km
Insulation resistance	1 500 MOhm*kft	500 MOhm*km